

JUL 16 2002

三
四

<p style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(use as many sheets as necessary)</p>				Modified Form PTO/SB/08A	
				<i>Complete If Known</i>	
				Application Number	10/034,543
				Filing Date	December 27, 2001
				First Named Inventor	Eldridge et al.
				Group Art Unit	3729
				Examiner Name	Unknown
Sheet	1	of	6	Attorney Docket No.	P6C2-US

U.S. PATENT DOCUMENTS

U.S. PATENT DOCUMENTS						Relevant Portions	
Examiner Initials ¹	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant	Publication Date		
		Number	Kind Code ²				
Gra	1	2967216		Zablocki et al.	Jan-61		
Gra	2	3654585		Wickersham	4/4/1972		
Gra	3	3663920		Lapham	May-72		
Gra	4	3676776		Bauer et al.	Jul-72		
Gra	5	3714384		Burkhardt	Jan-73		
Gra	6	3771110		Reed	Nov-73		
Gra	7	3826984		Epple	Jul-74		
Gra	8	3832632		Ardezzone	8/27/1974	TO	
Gra	9	3842189		Southgate	10/15/1974	10 15 1974	
Gra	10	3891924		Ardezzone et al.	Jun-75	10 15 1974	
Gra	11	3994552		Selvin	Nov-76	10 15 1974	
Gra	12	4032058		Riseman	6/28/1977	HAN	
Gra	13	4038599		Bove et al.	7/26/1977	HAN	
Gra	14	4085502		Ostman et al.	4/25/1978	ROCK	
Gra	15	4307928		Petlock Jr.	Dec-81		
Gra	16	4338621		Braun	Jul-82		
Gra	17	4358175		Reid	Nov-82		
Gra	18	4466184		Cuneo et al.	Aug-84		
Gra	19	4548451		Benarr et al.	10/22/1985		
Gra	20	4553192		Babuka	Nov-82		
Gra	21	4567433		Ohkubo et al.	Jan-86		
Gra	22	4593958		Baba	Jun-86		
Gra	23	4615573		White et al.	Oct-86		

RECEIVED
6/20/2

Examiner Signature	C. J. Ailes	Date Considered	5/103
-----------------------	-------------	--------------------	-------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449A/PTO

Modified Form PTO/SB/08A

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

2

of

6

Complete If Known	
Application Number	10/034,543
Filing Date	December 27, 2001
First Named Inventor	Eldridge et al.
Group Art Unit	3729
Examiner Name	Unknown
Attorney Docket No.	P6C2-US

RECEIVED
JUL 23 2001
U.S. PATENT AND TRADEMARK OFFICE**U.S. PATENT DOCUMENTS**

Examiner Initials ¹	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant	Publication Date	Relevant Portions
		Number	Kind Code ²			
Cja	24	4616404		Wang et al.	Oct-86	
Cja	25	4707655		Kruger	Nov-87	
Cja	26	4707657		Boegh-Petersen	11/17/1987	
Cja	27	4773877		Kruger et al.	Sep-88	
Cja	28	4831614		Duerig et al.	May-89	
Vrc	29	4866504		Landis	Sep-89	
Cja	30	4893172		Matsumoto et al.	Jan-90	
qja	31	4932883		Hsia et al.	Jun-90	
Cjk	32	4947481		Ikeda et al.	Aug-90	
Cja	33	4955523		Calomagno et al.	Sep-90	
Cja	34	4965865		Trenary	Oct-90	
Cja	35	4983907		Crowley	1/8/1991	
qja	36	4993957		Shino	Feb-91	
Cja	37	5017738		Tsuji et al.	5/21/1993	
Cja	38	5067007		Kanji et al.	Nov-91	
Cja	39	5070297		Kwon et al.	12/3/1991	
Cja	40	5071359		Arnio et al.	Dec-91	
Cja	41	5072520		Nelson	Dec-91	
Cja	42	5090118		Kwon et al.	Feb-92	
Cja	43	5103557		Leedy	4/14/1992	
Cja	44	5109596		Driller et al.	May-92	
Cja	45	5130779		Agarwala et al.	Jul-92	
Cja	46	5139427		Boyd et al.	8/18/1992	

Examiner Signature	<i>Cja/bes</i>	Date Considered	5/10/03
--------------------	----------------	-----------------	---------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

3 of 6

Complete If Known	
Application Number	10/034,543
Filing Date	December 27, 2001
First Named Inventor	Eldridge et al.
Group Art Unit	3729
Examiner Name	Unknown
Attorney Docket No.	P6C2-US



RECEIVED

U.S. PATENT DOCUMENTS						
Examiner Initials ¹	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant	Publication Date	Relevant Portions
		Number	Kind Code ²			
Cja	47	5148103		Pasiecznik, Jr.	9/15/1992	
Cja	48	5152695		Grabbe et al.	Oct-92	
ya	49	5187020		Kwon et al.	2/16/1993	
Cja	50	5189507		Carlomagno et al.	Feb-93	
Cja	51	5191708		Kasukabe et al.	Mar-93	
ofz	52	5210939		Mallik et al.	May-93	
ya	53	5221895		Janko et al.	Jun-93	
Cja	54	5228861		Grabbe	7/20/1993	
Cja	55	5237743		Busacco et al.	Aug-93	10 2000 JUN 22
Cja	56	5245751		Locke et al.	Sep-93	2000 JUN 22
ya	57	5308797		Kee	May-94	2000 JUN 22
Cja	58	5317479		Pai et al.	5/31/1994	2000 JUN 22
Cja	59	5329226		Monnet et al.	7/12/1994	2000 JUN 22
Cja	60	5354712		Ho et al	10/11/1994	2000 JUN 22
Cja	61	5379515		Kondo et al.	Jan-95	2000 JUN 22
Cja	62	5391521		Kim	Feb-95	2000 JUN 22
ya	63	5395253		Crumly	3/7/1995	
Cja	64	5399982		Driller et al.	Mar-95	
Cja	65	5437556		Bargain et al.	8/1/1995	
ya	66	5455390		DiStefano et al.	Oct-95	
Cja	67	5469733		Yasue et al.	Nov-95	
Cja	68	5471151		DiFrancesco	11/28/1995	

Examiner Signature	<i>C. J. Arbes</i>	Date Considered	5/10/03
--------------------	--------------------	-----------------	---------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(use as many sheets as necessary)

JUL 16 2002

Sheet 4 of 6

Complete If Known	
Application Number	10/034,543
Filing Date	December 27, 2001
First Named Inventor	Eldridge et al.
Group Art Unit	3729
Examiner Name	Unknown
Attorney Docket No.	P6C2-US

U.S. PATENT DOCUMENTS

Examiner Initials ¹	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant	Publication Date	Relevant Portions
		Number	Kind Code ²			
CJA	69	5475318		Marcus et al.	Dec-95	
CJA	70	5476211		Khandros	12/19/1995	
CJA	71	5483741		Akram et al.	1/1996	
CJA	72	5513430		Yanof et al.	5/7/1996	
CJA	73	5521518		Higgins	5/28/1996	TC 3100 MA 22 1997
CJA	74	5534784		Lum et al.	7/9/1996	RO 3100 MA 22 1997
CJA	75	5555422		Nakano	9/10/1996	3100 MA 22 1997
CJA	76	5629631		Perry et al.	5/13/1997	3100 MA 22 1997
CJA	77	5632631		Fjelstad et al.	May-97	3100 MA 22 1997
CJA	78	5686317		Akram et al.	11/1997	3100 MA 22 1997
CJA	79	5686842		Lee	11/11/1997	RO 3100 MA 22 1997
CJA	80	5772451		Dozier II, et al.	6/30/1998	3100 MA 22 1997
CJA	81	5806181		Khandros et al.	Sep-98	3100 MA 22 1997
CJA	82	5811982		Beaman et al.	Sep-98	3100 MA 22 1997
CJA	83	5821763		Beaman et al.	10/13/1998	3100 MA 22 1997
CJA	84	5828226		Higgins et al.	Oct-98	3100 MA 22 1997
CJA	85	5852871		Khandros	Dec-98	3100 MA 22 1997
CJA	86	5900738		Kandros et al.	May-99	3100 MA 22 1997
CJA	87	5917707		Khandros et al.	6/29/1999	3100 MA 22 1997
CJA	88	6002266		Briggs et al.	12/14/1999	3100 MA 22 1997
CJA	89	6029344		Khandros et al.	2/29/2000	3100 MA 22 1997
CJA	90	6050829		Eldridge et al.	Apr-00	3100 MA 22 1997
CJA	91	6110823		Eldridge et al.	8/29/2000	3100 MA 22 1997

Examiner Signature	C. J. Arbes	Date Considered	S/ /03
--------------------	-------------	-----------------	--------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

RECEIVED
JUL 22 1997

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

JUL 16 2002

S108

PATENT & TRADEMARK OFFICE

C108

Substitute for form 1449A/PTO

Modified Form PTO/SB/08A

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

6 of 6

Complete If Known	
Application Number	10/034,543
Filing Date	December 27, 2001
First Named Inventor	Eldridge et al.
Group Art Unit	3729
Examiner Name	Unknown
Attorney Docket No.	P6C2-US

JUL 16 2002



FOREIGN PATENT DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Office ²	Foreign Patent Document Number ³	Name of Patentee or Applicant	Publication Date	Relevant Portions	T ⁶
CP	115	JP	6018555	Meisei Denshi Kogyo	1/25/1994		x
CPA	116	JP	6119770	Sugino	Feb-86		x
CPA	117	JP	6180329	Yoshida	Jun-94		x
	118	JP	6244285		Mar-87		x
	119	JP	6249924	Hanawa et al.	Sep-94		x
	120	JP	6265575	Masamitsu et al.	9/22/1994		x
	121	JP	6273445	Yamaguchi	Sep-94		x
GS	122	JP	6313775	Higgins et al.	Nov-94		x
	123	JP	6363777		Apr-88		
	124	JP	58178293	Motoki et al.	Nov-83		x
GS	125	JP	59149070	Mizuno	Oct-84		x
GS	126	JP	62160373	Mizumo et al.	Oct-87		x
GS	127	JP	63243768	Fujimura et al.	Oct-88		x
GS	128	JP	63279477	Ikeda et al.	Mar-91		x
GS	129	WO	9112706	Leedy	Aug-91		
GS	130	WO	9409513	Leedy	Apr-94		

OTHER PRIOR ART – NONPATENT LITERATURE DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
CP	131	"Robust Method Using Simple Unit Processes For Thin Film Cu Polyimide Packaging Structures," IBM Technical Disclosure Bulletin, vol. 34, no. 10A (March 1992)	JUL 16 2002

Examiner Signature	Date Considered
C. J. Arbes	S/103

RECEIVED
JUL 16 2002
MAIL ROOM

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.